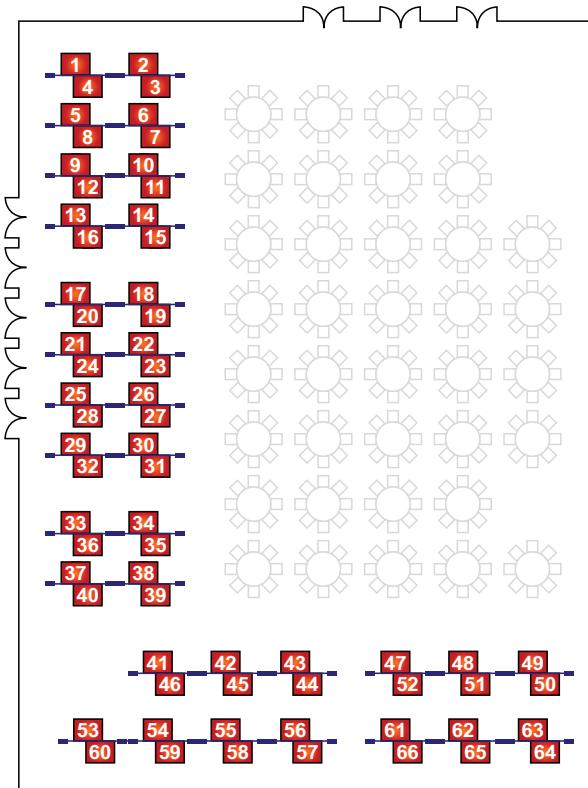




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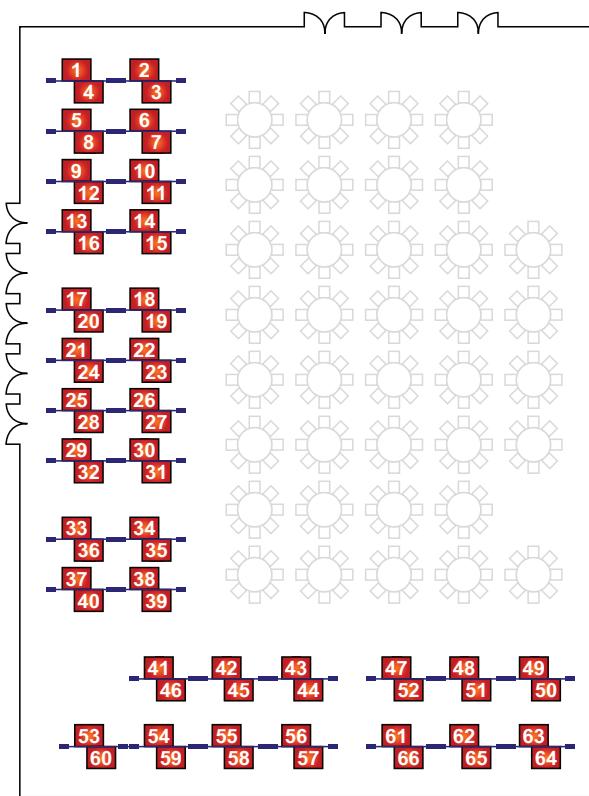
Poster Titles / Authors

- 1. The Effect of Aerosols on Clouds and Precipitation Over the California Sierra Nevada**
D. Rosenfeld (Hebrew University of Jerusalem)
W. L. Woodley (Woodley Weather Consultants), Eyal Freud (Hebrew University of Jerusalem)
- 2. Sensitivity of Pacific Coast Precipitation During Warm-Phase El Niño Events to Initial and Boundary Conditions**
P. Duffy and S. Gibbard (LLNL)
- 3. A Historical Perspective on the Future of the Pineapple Express**
Max Berkelhammer (University of Southern California)
- 4. Scenarios for Southern California Coastal Flooding Caused by Sea level Rise**
R.T. Guza, R.J. Seymour, W. C. O'Reilly, J.O. Thomas, R. Bucciarelli (UC San Diego)

Poster Titles / Authors

- 5. California Trends During the 20th Century: Analysis of Spatial and Temporal Uncertainties**
Wittaya Kessomkiat (San Jose State University)
- 6. Characterizing California Heat Waves: Past, Present and Future**
John Abatzoglou & Laura Edwards (Desert Research Institute)
- 7. A Global-Warming Reverse-Reaction: Coastal Summer Daytime Cooling in California**
J. E. Gonzalez, B. Lebassi, D. Fabris, E. Maurer (Santa Clara University), N. Miller (LBNL), C. Milesi (CSU Monterey Bay), R. Bornstein (San Jose State University)
- 8. Statistically Downscaling and Archiving WCRP CMIP3 Climate Projections for Planning Applications in the Contiguous United States**
E. Maurer (Santa Clara University), P. Duffy (LLNL), L. Brekke and T. Pruitt (US Bureau of Reclamation)
- 9. Uncertainty Characterization for Climate Change Impact Studies: Leveraging Multi-Model Ensembles of Climate Projections**
J. Stewart, G. Johannesson, B. Santer, P. Duffy (LLNL)
- 10. Reestablishing Delta Marshes to Store Carbon and Reverse Subsidence**
Robin Miller and Roger Fujii (USGS)
- 11. FutureGen Risk-based Framework for the Evaluation of Carbon Capture and Storage Activities: Applicability to Large-scale Carbon Sequestration Projects in California**
T. Grieb, K. Summers, R. Johns, W. Mills, K. Johnson, M. Unsg, M. Rigby, S. Gherini, S. Roy (Tetra Tech, Inc.)
- 12. Statewide Maps of Forest Carbon Sequestration and GHG Fire Emissions Potential**
James Scarborough and Nicholas Clinton (Berkeley Environmental Technology International, LLC)
- 13. Temperature Effects on Soil Carbon Sequestration in a California Grassland, Oak Woodland and Conifer Ecosystem**
Sarah Pittiglio (UC Davis)
- 14. Carbon Capture and Sequestration for California and the West**
S. Julio Friedmann (LLNL)

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15. Determining the Feasibility of a High Temperature CO₂ Separation Membrane

Klaus Lackner and Dave Michel (California Energy Commission)

16. Evaluation of a CO₂ Mitigation Option for California Coastal Power Plants

Greg Rav and Dave Michel (California Energy Commission)

17. Climate Warming and Adaptability of Sierra's High-Elevation Hydropower System

Kaveh Madani and Jay R. Lund (UC Davis)

18. Economic Effects of Climate Change on California Wine Industry

Calanit Bar-Am and Daniel A. Sumner (UC Davis)

19. Urban Heat Islands and Their Mitigation

Haider Taha (Altostratus, Inc.)

20. Climate Change Impacts in the Tahoe Basin: Snowmelt Timing, Lake Thermal Structure, and Phytoplankton Dynamics

Robert Coats and Monika Winder (UC Davis)

21. Effects of Increasing Temperature on Air Quality in the Mountain County Air Basin

Idalia Perez and Ronald Cohen (UC Berkeley)

22. Empirical Evidence for a Recent Slowdown in Irrigation-induced Cooling

Celine Bonfils and David Lobell (LLNL)

23. Climate Change in California Water Resources: A Case Study of Institutions and Adaptation in the San Joaquin River Basin

M. Kiparsky, M. Hanemann, J. A. Dracup, T. P. Duane (UC Berkeley), D. Purkey (Stockholm Environment Institute), A. Farrell (UC Davis)

24. Vulnerability of Local Restorative Environments to Global Change

J. Aaron Hipp (UC Irvine)

25. Change Impacts on California's Energy and Water Prices

James E. McMahon, Larry Dale (LBNL)

26. Intermittency Analysis Project

Peter Spaulding (California Energy Commission), Dora Yen

27. Apparent Climatically Induced Increase of Tree Mortality Rates in a Temperate Forest

Nathan Stephenson and Phillip van Mantgem (USGS)

28. Air Emissions of Ammonia and Methane from Livestock Operations: Valuation and Policy Options

Jhih-Shyang Shih, D. Burtraw, K. Palmer, J. Siikamaki

29. A New Postgraduate Certificate in Climate Change Vulnerability Assessment and Adaptation – Theory, Practice and Practical Application

Jeff Price (CSU Chico)

30. R&D Portfolio Optimization

L. Hannah, J. Stewart, R. Upadhye (LLNL), W. Powell (Princeton University)

31. Climate Change Policy-Analyzing Energy System Transitions Under Uncertainty

A. Lamont, J. Stewart, R. White, S. Yeh (LLNL), W. Powell, A. George (Princeton University)

32. Integrated Microturbine-Industrial Steam Boiler as a Clean and Efficient CHP System

Carlo Castaldini (CMC-Engineering), Avtar Bining (CEC)

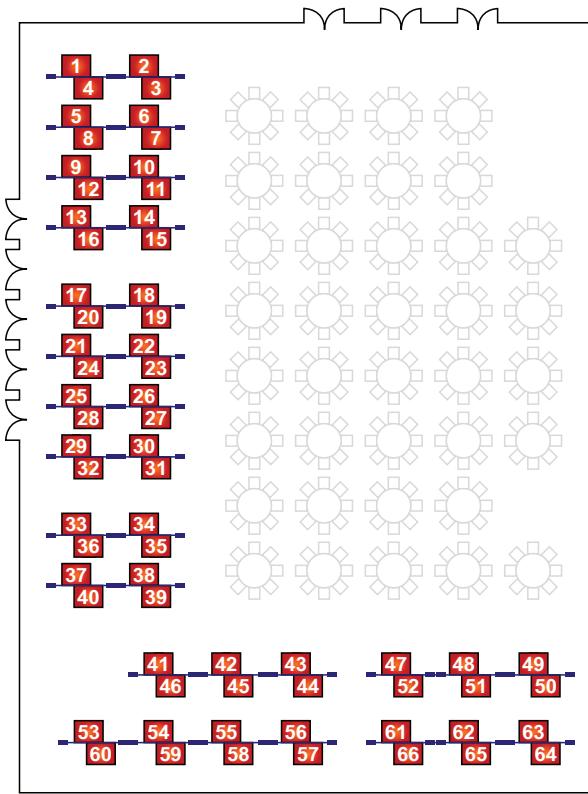
33. Spatial Residential Energy Demand Scenario Tool

Noah Goldstein (LLNL)

34. Mitigating Carbon Emissions with Improved Stoves in Rural Mexico

M. Johnson, R. Edwards, C. Frenk, O. Masera

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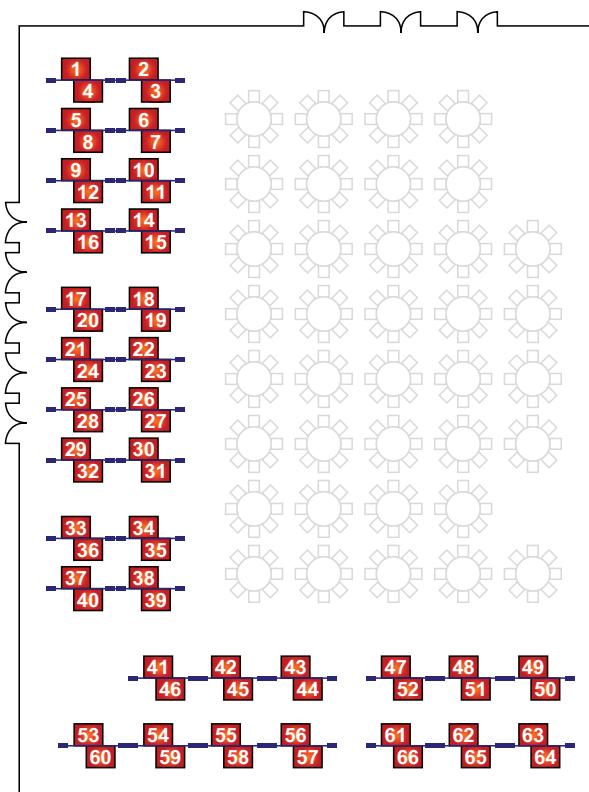


Poster Titles / Authors

- 35. Modeling Changes to the California Commercial Building Stock: Energy Goals and Potential Pathways**
Brian Coffey (LBNL), Sam Borgeson
- 36. Demonstrating the Use of Demand Response to Replace Spinning Reserve Generation**
Kristy Chew (California Energy Commission)
- 37. The Residential Wedge**
Chris Scruton and Norm Bourassa (California Energy Commission)
- 38. CO₂ Emissions Reduction in the Utility Sector Using Flywheel-based Energy Storage**
Chet Lyons (Beacon Power Corporation), Mike Gravely (California Energy Commission)
- 39. Mine Discharge for Evaluating Climate Change Impacts on Mountain Recharge**
Joeseph S.Y.Wang (LBNL)
- 40. Time-Space Continuity of Daily Maps of Fractional Snow Cover and Albedo in the Sierra Nevada from MODIS**
J. Dozier and J. Frew (UC Santa Barbara), R. Bale and R. Rice (UC Merced)

- 41. Snowcover along Elevation Gradients in the Sierra Nevada of California from MODIS and Blended Ground Data**
R. Rice and R. Bales (UC Merced), T. H. Painter (University of Utah), J. Dozier (UC Santa Barbara), M. Anderson (Department of Water Resources)
- 42. The Effects of Climate Change on Water Supply Forecasting in the Feather River Basin, California**
Andrew Wood (University of Washington)
- 43. Modeling the Hydrological Impacts of Climate Change: Western Slope of the Sierra Nevada**
C. Young (Stockholm Energy Institute), M. Fernandes, B. Joyce, M. Kiparsky, D. Purkey, D. Yates
- 44. Trends and Sources of Low Flow and the Climate Warming Effects in the Merced River, Sierra Nevada, California**
M. H. Conklin, F. Liu, R. C. Bales (UC Merced), M. E. Conrad (LBNL)
- 45. Ecological Nowcasts and Forecasts for California**
Rama Nemani (NASA)
- 46. Carbon and Nitrogen Cycling Associated with Changes in Biodiversity in a California Central Valley Farmscape**
S. Smukler, L.E. Jackson, S. Sanchez Moreno, S.J. Fonte, H. Ferris, K. Klonsky, A.T. O'Green, K.M. Scow, A.L. Cordova-Kreylos (UC Davis)
- 47. Prospects for California Offshore Wind Energy Development**
M. J. Dvorak, M. Z. Jacobson, C. L. Archer (Stanford University)
- 48. Understanding the Effects of Renewable Portfolio Standards in California**
Oren Ahoobim (Stanford University)
- 49. Clean and Dispatchable Renewable Electricity through Solar Reductions of Carbon**
Reed Jensen and David Michel (California Energy Commission)
- 50. California Goals: New Battery Performance Goals for All-Electric Automobiles**
Christopher England (Electrochimica Development)
- 51. Heavy Molecular Hydrogen in the Stratosphere and the Global H₂ Budget: Reducing Uncertainties in Predicting the Environmental Effects of a Hydrogen Fuel Cell-Based Economy**
K. A. Mar and K. A. Boering (UC Berkeley), M. C. McCarthy (Sonoma Technology, Inc.), P. Connell (LLNL)
- 52. Plug-In Hybrid Electric Vehicle (PHEV) Research Centre**
Jonn Axsen and Rusty Heffner (UC Davis)

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Poster Titles / Authors

- 53. PIER UC Davis PHEV Research Center: Research Efforts to Evaluate Emissions Impacts of Plug-in Hybrid Electric Vehicles**
Dahlia Garas and Tom Turrentine (UC Davis)
- 54. Characterizing Atmospheric CH₄ Concentrations in California: Forward Modeling from Spatially Resolved Disparate Sources (a CALGEM Project)**
W.J. Riley, M.L. Fischer, A.I. Hirsch (LBNL), P. Tans (NOAA)
- 55. CO₂ and N₂O Soil Efflux in a Subsurface Drip, Cover Cropped, and Conservation Tillage Tomato System**
C. Kallenbach, W. Horwath, Z. Kabir, D. Rolston, J. Mitchell (UC Davis)
- 56. Preliminary Analysis of Trinidad Head Data**
Ray Weiss (UC San Diego), Alistair Manning (Met Office)
- 57. Integrating Remote Sensing and Modeling to Assess Temporal and Spatial Variability of Greenhouse Gas Emissions**
M. K. Ngugi, S. De Gryze, J. Six (UC Davis)
- 58. Estimates of Carbon Sequestration and Greenhouse Gas Emissions from Irrigated Agriculture**
William Horwath (UC Davis)

- 59. Recent Greenhouse Gas Monitoring and Emission Inventory Reconciliation in Southern California**
Y. Hsu, R. VanCuren, M. FitzGibbon, E. McCauley, S. Rider, K. Stroud (California Air Resources Board), Donald Blake (UC Irvine)
- 60. Black Carbon Concentrations and Diesel Vehicle Emission Factors Derived from Coefficient of Haze Measurements in California: 1967-2003**
T. W. Kirchstetter, J. Aguiar, S. Tonse, T. Novakov (LBNL), D. Fairley (Bay Area Air Quality Management District)
- 61. Non-CO₂ Greenhouse Gas Measurements in Southern California**
R. VanCuren, J. Pederson, D. Blake, Y. Hsu, W. Leeman, S. Rider, K. Gill, M. Poore, E. McCauley, M. Fitzgibbon (California Air Resources Board) (UC Irvine)
- 62. Improved GHG Inventory Methods for California Landfills**
J. Bogner (Landfills Plus, Inc.), K. Spokas (USDA) J. Chanton (Florida State University)
- 63. Reducing Greenhouse Gas Emissions through Development of Biogas Power Systems in California – Case Studies of Biogas Power Systems Developed under the California Energy Commission's PIER Renewables Program**
Zhiqin Zhang (California Energy Commission)
- 64. Measuring and Modeling Methane and Nitrous Oxide Emissions from California Dairies**
W. S. Salas (Applied GeoSolutions, LLC), C. Li (University of New Hampshire), F. Mitloehner (UC Davis)
- 65. Landfill Gas Fueled Homogeneous Charge Compression Ignition (HCCI) Demonstration System**
D. B. Makel, B. Blizman (Makel Engineering, Inc.), R. W. Dibble (UC Berkeley), V. Tiangco (California Energy Commission)
- 66. Modeling and Observing the Earth System on Regional Scales: A Joint UCLA-JPL Research Effort Focused on Climate Variability and Change in California**
A. Eldering, D. Waliser, Q. Li, Y. Chao (NASA), K.N. Liou, Y. Xue, A. Hall, R. Fovell, J. Kim (UCLA)